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* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page for STN Seminar Schedule - N. America
NEWS 2	OCT 02	CA/CAplus enhanced with pre-1907 records from Chemisches Zentralblatt
NEWS 3	OCT 19	BEILSTEIN updated with new compounds
NEWS 4	NOV 15	Derwent Indian patent publication number format enhanced
NEWS 5	NOV 19	WPIX enhanced with XML display format
NEWS 6	NOV 30	ICSD reloaded with enhancements
NEWS 7	DEC 04	LINPADOCDB now available on STN
NEWS 8	DEC 14	BEILSTEIN pricing structure to change
NEWS 9	DEC 17	USPATOLD added to additional database clusters
NEWS 10	DEC 17	IMSDRUGCONF removed from database clusters and STN
NEWS 11	DEC 17	DGENE now includes more than 10 million sequences
NEWS 12	DEC 17	TOXCENTER enhanced with 2008 MeSH vocabulary in MEDLINE segment
NEWS 13	DEC 17	MEDLINE and LMEDLINE updated with 2008 MeSH vocabulary
NEWS 14	DEC 17	CA/CAplus enhanced with new custom IPC display formats
NEWS 15	DEC 17	STN Viewer enhanced with full-text patent content from USPATOLD
NEWS 16	JAN 02	STN pricing information for 2008 now available
NEWS 17	JAN 16	CAS patent coverage enhanced to include exemplified prophetic substances
NEWS 18	JAN 28	USPATFULL, USPAT2, and USPATOLD enhanced with new custom IPC display formats
NEWS 19	JAN 28	MARPAT searching enhanced
NEWS 20	JAN 28	USGENE now provides USPTO sequence data within 3 days of publication
NEWS 21	JAN 28	TOXCENTER enhanced with reloaded MEDLINE segment
NEWS 22	JAN 28	MEDLINE and LMEDLINE reloaded with enhancements
NEWS 23	FEB 08	STN Express, Version 8.3, now available
NEWS 24	FEB 20	PCI now available as a replacement to DPCI
NEWS 25	FEB 25	IFIREF reloaded with enhancements
NEWS 26	FEB 25	IMSPRODUCT reloaded with enhancements
NEWS 27	FEB 29	WPINDEX/WPIDS/WPIX enhanced with ECLA and current U.S. National Patent Classification

NEWS EXPRESS FEBRUARY 08 CURRENT WINDOWS VERSION IS V8.3,
AND CURRENT DISCOVER FILE IS DATED 20 FEBRUARY 2008

NEWS HOURS	STN Operating Hours Plus Help Desk Availability
NEWS LOGIN	Welcome Banner and News Items
NEWS IPC8	For general information regarding STN implementation of IPC 8

Enter NEWS followed by the item number or name to see news on that
specific topic.

* * * * * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:28:56 ON 17 MAR 2008

=> file medline, uspatful, hcaplus,biosis
COST IN U.S. DOLLARS   SINCE FILE   TOTAL
                                                         ENTRY   SESSION
FULL ESTIMATED COST   0.63   0.63

FILE 'MEDLINE' ENTERED AT 15:30:27 ON 17 MAR 2008

FILE 'USPATFULL' ENTERED AT 15:30:27 ON 17 MAR 2008
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FILE 'HCAPLUS' ENTERED AT 15:30:27 ON 17 MAR 2008
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FILE 'BIOSIS' ENTERED AT 15:30:27 ON 17 MAR 2008
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=> e royer, m/au
E1   11   ROYER YOHAN/AU
E2   1   ROYER YVES/AU
E3   0 --> ROYER, M/AU
E4   1   ROYERE/AU
E5   1   ROYERE A/AU
E6   3   ROYERE AUDREY/AU
E7   17   ROYERE C/AU
E8   2   ROYERE CHRISTIAN/AU
E9   5   ROYERE CLAUDE/AU
E10   126   ROYERE D/AU
E11   18   ROYERE DOMINIQUE/AU
E12   1   ROYERE G/AU

=> e gabriel, d/au
E1   1   GABRIEL ZDENEK/AU
E2   2   GABRIEL ZEITUNE MOISES/AU
E3   0 --> GABRIEL, D/AU
E4   2   GABRIELA ABELEDO L/AU
E5   1   GABRIELA ALMEIDA M/AU
E6   2   GABRIELA ALVAREZ M/AU
E7   1   GABRIELA ALVAREZ MARIA/AU
E8   1   GABRIELA ANCA MAIER CAMELIA/AU
E9   1   GABRIELA APOSTOLESCU/AU
E10   1   GABRIELA AYALA/AU
E11   1   GABRIELA BADEA E/AU
E12   1   GABRIELA BALLERINI MARIA/AU

=> e frutos, R/au
E1   33   FRUTOS VIVAR FERNANDO/AU
E2   2   FRUTOS XAVIER DE/AU
E3   0 --> FRUTOS, R/AU

```
E4          46     FRUTOSO J/AU
E5          12     FRUTOSO JEAN/AU
E6           1     FRUTOU JOSEPH S/AU
E7           1     FRUTSAERT GUILLAUME/AU
E8           1     FRUTSCH WILHELM/AU
E9           1     FRUTSCHI/AU
E10          5     FRUTSCHI C/AU
E11          6     FRUTSCHI CORINA/AU
E12          1     FRUTSCHI H/AU

=> e rott, p/au
E1          39     ROTT Z/AU
E2           5     ROTT ZSUZSANNA/AU
E3           0 --> ROTT, P/AU
E4          15     ROTTA A/AU
E5          17     ROTTA A T/AU
E6           1     ROTTA ADRIANA LYVIO/AU
E7           1     ROTTA AIDA/AU
E8           1     ROTTA ALEX P/AU
E9          35     ROTTA ALEXANDRE T/AU
E10          2     ROTTA ALEXANDRE TELLECHEA/AU
E11          1     ROTTA ALWXANDRE T/AU
E12          2     ROTTA ANDREA/AU

=> s (albicidin)
L1         114 (ALBICIDIN)

=> s (albicidin-like antibiotic)
L2           1 (ALBICIDIN-LIKE ANTIBIOTIC)

=> s l1 and l2
L3           1 L1 AND L2

=> d l3 ti abs ibib to
'TO' IS NOT A VALID FORMAT FOR FILE 'USPATFULL'

The following are valid formats:

The default display format is STD.

ABS -------- AB
ALL -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
             RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
             DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
             INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI,
             IPCI-2, IPCR, EXF, ARTU
ALLG ------- ALL plus PAGE.DRAW
BIB -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD, RLI,
             PRAI, DT, FS, EXNAM, LREP, CLMN, ECL, DRWN, LN.CNT
BIB.EX ----- BIB for original and latest publication
BIBG ------- BIB plus PAGE.DRAW
BROWSE ----- See "HELP BROWSE" or "HELP DISPLAY BROWSE".  BROWSE must
             entered on the same line as DISPLAY, e.g., D BROWSE.
CAS -------- OS, CC, SX, ST, IT
CBIB ------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PRAI, DT, FS
DALL ------- ALL, delimited for post-processing
FP --------- PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI, RLI,
             PRAI, IC, IPCI, IPCI-2, IPCR, INCL, INCLM, INCLS, NCL,
             NCLM, NCLS, EXF, REP, REN, ARTU, EXNAM, LREP,
             CLMN, DRWN, AB
FP.EX ------ FP for original and latest publication
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FPALL ------ PI, TI, IN, INA, PA, PAA, PAT, PETRM, DCD, AI,
             RLI, PRAI, IC, IPCI, IPCI-2, IPCR, INCL, INCLM, INCLS, NCL, NCLM,
             NCLS, EXF, REP, REN, ARTU, EXNAM, LREP, CLMN, DRWN, AB,
             PARN, SUMM, DRWD, DETD, CLM
FPBIB ------ PI, TI, IN, INA, PA, PAA, PAT, PTERM, DCD, AI,
             RLI, PRAI, REP, REN, EXNAM, LREP, CLM, CLMN, DRWN
FHITSTR ---- HIT RN, its text modification, its CA index name, and
             its structure diagram
FPG -------- FP plus PAGE.DRAW
GI --------- PN and page image numbers
HIT -------- All fields containing hit terms
HITRN ------ HIT RN and its text modification
HITSTR ----- HIT RN, its text modification, its CA index name, and
             its structure diagram
IABS ------- ABS, indented with text labels
IALL ------- ALL, indented with text labels
IALLG ------ IALL plus PAGE.DRAW
IBIB ------- BIB, indented with text labels
IBIB.EX ---- IBIB for original and latest publication
IBIBG ------ IBIB plus PAGE.DRAW
IMAX ------- MAX, indented with text labels
IMAX.EX ---- IMAX for original and latest publication
IND -------- INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR,
             EXF, ARTU, OS, CC, SX, ST, IT
IPC.TAB ---- IPC in tabular format
ISTD ------- STD, indented with text labels
KWIC ------- All hit terms plus 20 words on either side
MAX -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, PTERM, DCD,
             RLI, PRAI, DT, FS, REP, REN, EXNAM, LREP, CLMN, ECL,
             DRWN, AB, GOVI, PARN, SUMM, DRWD, DETD, CLM, INCL,
             INCLM, INCLS, NCL, NCLM, NCLS, IC, IPCI, IPCI-2,
             IPCR, EXF, ARTU OS, CC, SX, ST, IT
MAX.EX ----- MAX for original and latest publication
OCC -------- List of display fields containing hit terms
SBIB ------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
             DT, FS, LN.CNT
STD -------- AN, TI, IN, INA, PA, PAA, PAT, PI, AI, RLI, PRAI,
             DT, FS, LN.CNT, INCL, INCLM, INCLS, NCL, NCLM, NCLS,
             IC, IPCI, IPCI-2, IPCR, EXF (STD is the default)
STD.EX ----- STD for original and latest publication
TRIAL ------ AN, TI, INCL, INCLM, INCLS, NCL, NCLM, NCLS, IC,
             IPCI, IPCI-2, IPCR
FREE  ------ same as TRIAL
SCAN ------- AN, TI, NCL, NCLM, NCLS, IC, IPCI, IPCI-2, IPCR(random display
             without answer number.  SCAN must be entered on the
             same line as DISPLAY, e.g., D SCAN)
ENTER DISPLAY FORMAT (STD):end

=> d his

     (FILE 'HOME' ENTERED AT 15:28:56 ON 17 MAR 2008)

     FILE 'MEDLINE, USPATFULL, HCAPLUS, BIOSIS' ENTERED AT 15:30:27 ON 17 MAR
     2008
                E ROYER, M/AU
                E GABRIEL, D/AU
                E FRUTOS, R/AU
                E ROTT, P/AU
L1          114 S (ALBICIDIN)
L2            1 S (ALBICIDIN-LIKE ANTIBIOTIC)
L3            1 S L1 AND L2
```

```
=> d l3 ti abs ibib tot

L3   ANSWER 1 OF 1  USPATFULL on STN
TI     Complete biosynthetic gene set for synthesis of polyketide antibiotics,
       including the albicidin family, resistance genes, and uses
       thereof
AB     Three gene clusters that together encode albicidin
       biosynthesis, the complete gene DNA sequences, and the deduced protein
       sequences for the enzymes and methods for using the DNA sequences are
       disclosed and discussed as well as methods for plant protection and
       creating new antibiotics. The novel Albicidin family of
       antibiotics is disclosed and their structure deduced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER:       2006:315205  USPATFULL
TITLE:                  Complete biosynthetic gene set for synthesis of
                        polyketide antibiotics, including the albicidin
                        family, resistance genes, and uses thereof
INVENTOR(S):            Royer, Monique, Montpellier, FRANCE
                        Gabriel, Dean W., Gainesville, FL, UNITED STATES
                        Frutos, Roger, Saint Georges d'Orques, FRANCE
                        Rott, Philippe, Clapiers, FRANCE
PATENT ASSIGNEE(S):     University of Florida Research Foundation, Inc.,
                        Gainesville, FL, UNITED STATES (U.S. corporation)
                        Centre de Cooperation Internationale en Recherche,
                        Paris, FRANCE (non-U.S. corporation)

                             NUMBER       KIND    DATE
                        ---------------- ------ --------
PATENT INFORMATION:     US 2006269988      A1   20061130
APPLICATION INFO.:      US 2003-531351     A1   20031017  (10)
                        WO 2003-US33142         20031017
                                                20051003  PCT 371 date

                               NUMBER         DATE
                        ------------------ --------
PRIORITY INFORMATION:   US 2002-419463P    20021018 (60)
DOCUMENT TYPE:          Utility
FILE SEGMENT:           APPLICATION
LEGAL REPRESENTATIVE:   SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL
                        ASSOCIATION, PO BOX 142950, GAINESVILLE, FL,
                        32614-2950, US
NUMBER OF CLAIMS:       21
EXEMPLARY CLAIM:        1-30
NUMBER OF DRAWINGS:     13 Drawing Page(s)
LINE COUNT:             8291
CAS INDEXING IS AVAILABLE FOR THIS PATENT.


=> d his

     (FILE 'HOME' ENTERED AT 15:28:56 ON 17 MAR 2008)

     FILE 'MEDLINE, USPATFULL, HCAPLUS, BIOSIS' ENTERED AT 15:30:27 ON 17 MAR
     2008
                E ROYER, M/AU
                E GABRIEL, D/AU
                E FRUTOS, R/AU
                E ROTT, P/AU
L1          114 S (ALBICIDIN)
```

```
L2            1 S (ALBICIDIN-LIKE ANTIBIOTIC)
L3            1 S L1 AND L2

=> s l1 and (DNA)
L4           93 L1 AND (DNA)

=> s l4 and (encoding protein)
L5            0 L4 AND (ENCODING PROTEIN)

=> s l4 and (constructs)
L6           14 L4 AND (CONSTRUCTS)

=> d l6 ti abs ibib tot

L6   ANSWER 1 OF 14  USPATFULL on STN
TI     Complete biosynthetic gene set for synthesis of polyketide antibiotics,
       including the albicidin family, resistance genes, and uses
       thereof
AB     Three gene clusters that together encode albicidin
       biosynthesis, the complete gene DNA sequences, and the deduced
       protein sequences for the enzymes and methods for using the DNA
       sequences are disclosed and discussed as well as methods for plant
       protection and creating new antibiotics. The novel Albicidin
       family of antibiotics is disclosed and their structure deduced.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER:       2006:315205  USPATFULL
TITLE:                  Complete biosynthetic gene set for synthesis of
                        polyketide antibiotics, including the albicidin
                        family, resistance genes, and uses thereof
INVENTOR(S):            Royer, Monique, Montpellier, FRANCE
                        Gabriel, Dean W., Gainesville, FL, UNITED STATES
                        Frutos, Roger, Saint Georges d'Orques, FRANCE
                        Rott, Philippe, Clapiers, FRANCE
PATENT ASSIGNEE(S):     University of Florida Research Foundation, Inc.,
                        Gainesville, FL, UNITED STATES (U.S. corporation)
                        Centre de Cooperation Internationale en Recherche,
                        Paris, FRANCE (non-U.S. corporation)

                             NUMBER       KIND    DATE
                        ---------------- ------ --------
PATENT INFORMATION:     US 2006269988      A1   20061130
APPLICATION INFO.:      US 2003-531351     A1   20031017  (10)
                        WO 2003-US33142         20031017
                                                20051003  PCT 371 date

                               NUMBER         DATE
                        ------------------ --------
PRIORITY INFORMATION:   US 2002-419463P    20021018 (60)
DOCUMENT TYPE:          Utility
FILE SEGMENT:           APPLICATION
LEGAL REPRESENTATIVE:   SALIWANCHIK LLOYD & SALIWANCHIK, A PROFESSIONAL
                        ASSOCIATION, PO BOX 142950, GAINESVILLE, FL,
                        32614-2950, US
NUMBER OF CLAIMS:       21
EXEMPLARY CLAIM:        1-30
NUMBER OF DRAWINGS:     13 Drawing Page(s)
LINE COUNT:             8291
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6   ANSWER 2 OF 14  USPATFULL on STN
```

TI Genes identified as required for proliferation in escherichia coli
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2004:307044 USPATFULL
TITLE:	Genes identified as required for proliferation in escherichia coli
INVENTOR(S):	Zyskind, Judith, La Jolla, CA, UNITED STATES Forsyth, Allyn R., San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004241715	A1	20041202
APPLICATION INFO.:	US 2004-771241	A1	20040203 (10)

RELATED APPLN. INFO.: Continuation of Ser. No. US 2000-492709, filed on 27 Jan 2000, GRANTED, Pat. No. US 6720139

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-117405P	19990127 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
NUMBER OF CLAIMS:	32
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	3 Drawing Page(s)
LINE COUNT:	4248

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 3 OF 14 USPATFULL on STN
TI Genes identified as required for proliferation in Escherichia coli
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2004:90616 USPATFULL
TITLE:	Genes identified as required for proliferation in Escherichia coli
INVENTOR(S):	Zyskind, Judith, La Jolla, CA, United States

Ohlsen, Kari L., San Diego, CA, United States
Trawick, John, La Mesa, CA, United States
Forsyth, R. Allyn, San Diego, CA, United States
Froelich, Jamie M., San Diego, CA, United States
Carr, Grant J., Escondido, CA, United States
Yamamoto, Robert T., San Diego, CA, United States
Xu, H. Howard, San Diego, CA, United States
PATENT ASSIGNEE(S): Elitra Pharmaceuticals, Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6720139	B1	20040413
APPLICATION INFO.:	US 2000-492709		20000127 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-117405P	19990127 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Marschel, Ardin H.
LEGAL REPRESENTATIVE: Knobbe Martens Olson & Bear LLP
NUMBER OF CLAIMS: 49
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 3 Drawing Page(s)
LINE COUNT: 4214
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 4 OF 14 USPATFULL on STN
TI Identification of essential genes in microorganisms
AB The sequences of antisense nucleic acids which inhibit the proliferation of prokaryotes are disclosed. Cell-based assays which employ the antisense nucleic acids to identify and develop antibiotics are also disclosed. The antisense nucleic acids can also be used to identify proteins required for proliferation, express these proteins or portions thereof, obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous nucleic acids that are required for proliferation in cells other than Staphylococcus aureus, Salmonella typhimurium, Klebsiella pneumoniae, and Pseudomonas aeruginosa. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2004:38590 USPATFULL
TITLE: Identification of essential genes in microorganisms
INVENTOR(S): Wang, Liangsu, San Diego, CA, UNITED STATES
Zamudio, Carlos, La Jolla, CA, UNITED STATES
Malone, Cheryl, Santee, CA, UNITED STATES
Haselbeck, Robert, San Diego, CA, UNITED STATES
Ohlsen, kari L., San Diego, CA, UNITED STATES
Zyskind, Judith W., La Jolla, CA, UNITED STATES
Wall, Daniel, San Diego, CA, UNITED STATES
Trawick, John D., La Mesa, CA, UNITED STATES
Carr, Grant J., Escondido, CA, UNITED STATES
Yamamoto, Robert, San Diego, CA, UNITED STATES
Forsyth, R. Allyn, San Diego, CA, UNITED STATES
Xu, H. Howard, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004029129	A1	20040212
APPLICATION INFO.:	US 2002-282122	A1	20021025 (10)

	NUMBER	DATE
PRIORITY INFORMATION:	WO 2002-US9107	20020321
	US 2002-362699P	20020306 (60)
	US 2001-342923P	20011025 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
NUMBER OF CLAIMS: 106
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 22 Drawing Page(s)
LINE COUNT: 18605
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 5 OF 14 USPATFULL on STN
TI Genes essential for microbial proliferation and antisense thereto
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. Coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:258355 USPATFULL
TITLE: Genes essential for microbial proliferation and antisense thereto
INVENTOR(S): Forsyth, R. Allyn, San Diego, CA, UNITED STATES
Ohlsen, Kari, San Diego, CA, UNITED STATES
Zyskind, Judith W., La Jolla, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003181408	A1	20030925
APPLICATION INFO.:	US 2002-287274	A1	20021031 (10)

RELATED APPLN. INFO.: Division of Ser. No. US 2000-711164, filed on 9 Nov 2000, GRANTED, Pat. No. US 6589738

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-164415P	19991109 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
NUMBER OF CLAIMS: 68
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 3 Drawing Page(s)
LINE COUNT: 4685

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 6 OF 14 USPATFULL on STN
TI Discrete acyltransferases associated with type I polyketide synthases and methods of use
AB Genetic and biochemical characterization of the leinamycin biosynthesis gene cluster from Streptomyces atroolivaceus S-140 revealed two PKS genes, lnmI and lnmJ, that encode six PKS modules, none of which contains a cognate AT domain. The AT activity is provided in trans by a discrete protein, LnmG, which loads the malonyl coenzyme A extender unit onto the ACP domains of all six PKS modules. This finding provides a basis for methods of engineering modular polyketide synthases and polyketide synthase/nonribosomal peptide synthetases.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:251102 USPATFULL
TITLE: Discrete acyltransferases associated with type I polyketide synthases and methods of use
INVENTOR(S): Shen, Ben, Verona, WI, UNITED STATES
Cheng, Yi-Qiang, Madison, WI, UNITED STATES
Tang, Gong-Li, Madison, WI, UNITED STATES
PATENT ASSIGNEE(S): Wisconsin Alumni Research Foundation (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2003175888	A1	20030918
	US 7153667	B2	20061226
APPLICATION INFO.:	US 2002-314657	A1	20021209 (10)

RELATED APPLN. INFO.: Continuation-in-part of Ser. No. WO 2002-US8937, filed on 22 Mar 2002, PENDING

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-278935P	20010326 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: GODFREY & KAHN, S.C., 780 N. WATER STREET, MILWAUKEE, WI, 53202
NUMBER OF CLAIMS: 42
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 19 Drawing Page(s)
LINE COUNT: 11833
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 7 OF 14 USPATFULL on STN
TI Use of ectoenzymes and secreted enzymes to monitor cellular proliferation
AB The present invention relates to methods of measuring cellular proliferation using ectoenzymes such as membrane-bound chitobiase (N,N'-diacetylchitobiase) and nucleic acids for use in such methods.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:246819 USPATFULL
TITLE: Use of ectoenzymes and secreted enzymes to monitor cellular proliferation
INVENTOR(S): Zyskind, Judith W., La Jolla, CA, United States
PATENT ASSIGNEE(S): Elitra Pharmaceuticals, Inc., San Diego, CA, United States (U.S. corporation)

	NUMBER	KIND	DATE

PATENT INFORMATION: US 6620585 B1 20030916
APPLICATION INFO.: US 2000-630929 20000802 (9)
DOCUMENT TYPE: Utility
FILE SEGMENT: GRANTED
PRIMARY EXAMINER: LeGuyader, John L.
ASSISTANT EXAMINER: Schultz, James Douglas
LEGAL REPRESENTATIVE: Knobbe, Martens, Olson & Bear, LLP
NUMBER OF CLAIMS: 28
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 12 Drawing Figure(s); 11 Drawing Page(s)
LINE COUNT: 3807
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 8 OF 14 USPATFULL on STN
TI Genes and proteins for the biosynthesis of polyketides
AB Genes and proteins involved in the biosynthesis of polyketides by microorganisms, including the genes and proteins forming the biosynthetic loci for the polyketide dorrigocin from Streptomyces platensis subsp. rosaceus and the polyketide lactimidomycin from Streptomyces amphibiosporus. The genes and proteins allow direct manipulation of dorrigocin, lactimidomycin and related chemical structures via chemical engineering of the enzymes involved in the biosynthesis of dorrigocin and lactimidomycin.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2003:245148 USPATFULL
TITLE: Genes and proteins for the biosynthesis of polyketides
INVENTOR(S): Farnet, Chris M., Outremont, CANADA
Zazopoulos, Emmanuel, Montreal, CANADA
Staffa, Alfredo, Saint-Laurent, CANADA
Yang, Xianshu, Montreal, CANADA

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003171562	A1	20030911	
APPLICATION INFO.:	US 2002-132134	A1	20020426	(10)

	NUMBER	DATE	
PRIORITY INFORMATION:	US 2001-286346P	20010426	(60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: Ywe J. Looper, ECOPIA BIOSCIENCES INC., 7290 Frederick-Banting, Saint-Laurent, QC, H4S 2A1
NUMBER OF CLAIMS: 37
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 27 Drawing Page(s)
LINE COUNT: 10530
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 9 OF 14 USPATFULL on STN
TI Stabilized nucleic acids in gene and drug discovery and methods of use
AB Stabilized nucleic acids for use in gene and drug discovery are disclosed. Vectors and host cells useful in the production of stabilized nucleic acids are also disclosed. Cell-based assays which employ stabilized antisense nucleic acids to identify and develop antibiotics and to identify genes required for proliferation are described. The use of stabilized nucleic acids to identify homologous nucleic acids required for the proliferation of heterologous organisms is also described. Inhibition of the expression of genes required for proliferation in heterologous organisms through the use of stabilized

antisense nucleic acids is disclosed.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2003:244285 USPATFULL		
TITLE:	Stabilized nucleic acids in gene and drug discovery and methods of use		
INVENTOR(S):	Wall, Daniel, San Diego, CA, UNITED STATES Froelich, Jamie, San Diego, CA, UNITED STATES		

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2003170694	A1	20030911	
APPLICATION INFO.:	US 2002-327592	A1	20021220	(10)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2001-343512P	20011221 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 2040 MAIN STREET, FOURTEENTH FLOOR, IRVINE, CA, 92614
NUMBER OF CLAIMS:	37
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	8 Drawing Page(s)
LINE COUNT:	5963

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 10 OF 14 USPATFULL on STN

TI Genes essential for microbial proliferation and antisense thereto

AB The sequences of nucleic acids encoding proteins required for E. Coli proliferation are disclosed. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. Coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2003:183969 USPATFULL		
TITLE:	Genes essential for microbial proliferation and antisense thereto		
INVENTOR(S):	Forsyth, R. Allyn, San Diego, CA, United States Ohlsen, Kari, San Diego, CA, United States Zyskind, Judith W., La Jolla, CA, United States		
PATENT ASSIGNEE(S):	Elitra Pharmaceuticals, Inc., San Diego, CA, United States (U.S. corporation)		

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6589738	B1	20030708	
APPLICATION INFO.:	US 2000-711164		20001109	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-164415P	19991109 (60)

DOCUMENT TYPE:	Utility

FILE SEGMENT: GRANTED
PRIMARY EXAMINER: Jones, W. Gary
ASSISTANT EXAMINER: Taylor, Janell E.
LEGAL REPRESENTATIVE: Knobbe, Martens, Olson & Bear LLP
NUMBER OF CLAIMS: 12
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Figure(s); 3 Drawing Page(s)
LINE COUNT: 4292
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 11 OF 14 USPATFULL on STN
TI Identification of essential genes in prokaryotes
AB The sequences of antisense nucleic acids which inhibit the proliferation of prokaryotes are disclosed. Cell-based assays which employ the antisense nucleic acids to identify and develop antibiotics are also disclosed. The antisense nucleic acids can also be used to identify proteins required for proliferation, express these proteins or portions thereof, obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous nucleic acids that are required for proliferation in cells other than Staphylococcus aureus, Salmonella typhimurium, Klebsiella pneumoniae, and Pseudomonas aeruginosa. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
ACCESSION NUMBER: 2002:119586 USPATFULL
TITLE: Identification of essential genes in prokaryotes
INVENTOR(S): Haselbeck, Robert, San Diego, CA, UNITED STATES
Ohlsen, Kari L., San Diego, CA, UNITED STATES
Zyskind, Judith W., La Jolla, CA, UNITED STATES
Wall, Daniel, San Diego, CA, UNITED STATES
Trawick, John D., La Mesa, CA, UNITED STATES
Carr, Grant J., Escondido, CA, UNITED STATES
Yamamoto, Robert T., San Diego, CA, UNITED STATES
Xu, H. Howard, San Diego, CA, UNITED STATES

	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 2002061569	A1	20020523	
APPLICATION INFO.:	US 2001-815242	A1	20010321	(9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-191078P	20000321 (60)
	US 2000-206848P	20000523 (60)
	US 2000-207727P	20000526 (60)
	US 2000-242578P	20001023 (60)
	US 2000-253625P	20001127 (60)
	US 2000-257931P	20001222 (60)
	US 2001-269308P	20010216 (60)

DOCUMENT TYPE: Utility
FILE SEGMENT: APPLICATION
LEGAL REPRESENTATIVE: KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
NUMBER OF CLAIMS: 44
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 4 Drawing Page(s)
LINE COUNT: 30870

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 12 OF 14 USPATFULL on STN
TI Control of leaf scald disease
AB A method of substantially reducing or inhibiting the development of leaf scald disease in a plant or stalk thereof, said method comprising the step of administering an albicidin detoxification enzyme to the plant or stalk thereof.

There is also provided a method of generating a transgenic plant substantially resistant to albicidin and leaf scald disease including the steps of introducing and expressing a nucleotide sequence encoding albicidin detoxification enzyme into a plant, plant part or plant cell, and growing the plant, plant part or plant cell to generate the transgenic plant.

There is further provided a method of substantially reducing or inhibiting the development of leaf scald disease in a plant or stalk thereof, said method comprising the step of administering to the plant or stalk thereof a bacterium which extracellularly produces albicidin detoxification enzyme.

There is further provided an isolated albicidin detoxification enzyme capable of irreversibly inactivating albicidin as well as an isolated nucelotide sequence encoding an albicidin detoxification enzyme.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2002:109253 USPATFULL			
TITLE:	Control of leaf scald disease			
INVENTOR(S):	Birch, Robert, Jindalee, AUSTRALIA			
	Zhang, Lianhui, North Balwyn, AUSTRALIA			
PATENT ASSIGNEE(S):	The University of Queensland, Queensland, AUSTRALIA (non-U.S. corporation)			
	NUMBER	KIND	DATE	
PATENT INFORMATION:	US 6388175	B1	20020514	
	WO 9709417		19970313	
APPLICATION INFO.:	US 1998-29785		19980309	(9)
	WO 1996-AU554		19960906	
			19980309	PCT 371 date
	NUMBER		DATE	
PRIORITY INFORMATION:	AU 1995-5278		19950907	
DOCUMENT TYPE:	Utility			
FILE SEGMENT:	GRANTED			
PRIMARY EXAMINER:	Fox, David T.			
ASSISTANT EXAMINER:	Mehta, Ashwin D.			
LEGAL REPRESENTATIVE:	Akin, Gump, Strauss, Hauer & Feld, L.L.P.			
NUMBER OF CLAIMS:	18			
EXEMPLARY CLAIM:	1			
NUMBER OF DRAWINGS:	13 Drawing Figure(s); 19 Drawing Page(s)			
LINE COUNT:	1710			

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 13 OF 14 USPATFULL on STN
TI Genes identified as required for proliferation in escherichia coli
AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can be used to express

proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids of the present invention can also be used in various assay systems to screen for proliferation required genes in other organisms as well as to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2002:85550 USPATFULL
TITLE:	Genes identified as required for proliferation in escherichia coli
INVENTOR(S):	Zyskind, Judith, La Jolla, CA, UNITED STATES Ohlsen, Kari L., San Diego, CA, UNITED STATES Trawick, John, La Mesa, CA, UNITED STATES Forsyth, R. Allyn, San Diego, CA, UNITED STATES Froelich, Jamie M., San Diego, CA, UNITED STATES Carr, Grant J., Escondido, CA, UNITED STATES Yamamoto, Robert T., San Diego, CA, UNITED STATES Xu, H. Howard, San Diego, CA, UNITED STATES
PATENT ASSIGNEE(S):	ELITRA PHARMACEUTICALS, INC. (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002045592	A1	20020418
APPLICATION INFO.:	US 2001-912020	A1	20010723 (9)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-492709, filed on 27 Jan 2000, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-117405P	19990127 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
NUMBER OF CLAIMS:	17
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	3 Drawing Page(s)
LINE COUNT:	4246

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L6 ANSWER 14 OF 14 USPATFULL on STN

TI Genes identified as required for proliferation of E. coli

AB The sequences of nucleic acids encoding proteins required for E. coli proliferation are disclosed. The nucleic acids can also be used to screen for homologous genes that are required for proliferation in microorganisms other than E. coli. The nucleic acids can also be used to design expression vectors and secretion vectors. The nucleic acids can be used to express proteins or portions thereof, to obtain antibodies capable of specifically binding to the expressed proteins, and to use those expressed proteins as a screen to isolate candidate molecules for rational drug discovery programs. The nucleic acids of the present invention can also be used in various assay systems to screen for antimicrobial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

ACCESSION NUMBER:	2002:37998 USPATFULL

TITLE:	Genes identified as required for proliferation of E. coli
INVENTOR(S):	Forsyth, R. Allyn, San Diego, CA, UNITED STATES Ohlsen, Kari L., San Diego, CA, UNITED STATES Zyskind, Judith W., La Jolla, CA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002022718	A1	20020221
APPLICATION INFO.:	US 2000-741669	A1	20001219 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1999-173005P	19991223 (60)

DOCUMENT TYPE:	Utility
FILE SEGMENT:	APPLICATION
LEGAL REPRESENTATIVE:	KNOBBE MARTENS OLSON & BEAR LLP, 620 NEWPORT CENTER DRIVE, SIXTEENTH FLOOR, NEWPORT BEACH, CA, 92660
NUMBER OF CLAIMS:	131
EXEMPLARY CLAIM:	1
NUMBER OF DRAWINGS:	3 Drawing Page(s)
LINE COUNT:	5270

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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